



Technical Specifications

Product Line: 18-2C

Description

2 conductor 18 AWG stranded, twisted, and unshielded cable
NEC type CMR and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725 and 800.

Conductor

18 AWG
7-strand annealed bare copper conductors
Diameter: 0.0454" | 1.15mm

Electrical

DC resistance: 6.92 Ω / 1000' | 22.7 Ω /KM
Mutual capacitance: 29.3 pF/FT | 96.11 pF/M
Impedance: 63 Ω
Inductance: 0.15 μ H/FT | 0.49 μ H/M
Velocity of Propagation: 55%
Voltage rating: 300V
Maximum current: 3.75A@25 °C

Insulation

Semi-rigid polyvinyl chloride
Wall thickness: 0.009" | 0.23mm
Diameter: 0.063" | 1.61mm

Regulatory

NEC: CMR 75 °C
CEC: CMG FT4 60 °C
EU RoHS 2002/95/EC Compliant

Color Code

Black, Red

Packages

Reel: 1000' | 305M
Weight: 20 Lbs/1000' | 30 Kg/KM

Assembly

2 conductors twisted
Lay length: 3.0" | 80mm
4.0 twists per foot | 12.5 twists per meter

Installation

Pull Tension: 26 Lbs | 116 N
Bend radius: 1.66" | 43mm unloaded
Bend radius: 3.32" | 86mm loaded

Construct

Ripcord under jacket

Applications

Riser general purpose use, security and low voltage power
Riser commercial and residential speaker level audio
Non-plenum 70V commercial speaker audio
Non-Plenum Class 2 and 3 power

Shield

N/A

Performance

Speaker level audio to 30 feet

Jacket

Polyvinyl chloride
Colors: White, Beige, Light blue, Gray
Wall thickness: 0.020" | 0.51mm
Diameter: 0.166" | 4.22mm

Final Outside Diameter (inches)

0.166

Specification Revision Date:

October 10, 2006

